

**Flood Control Project Maintenance  
Levee Inspections**

**Fall 2019 Levee Maintenance Deficiency Summary Report**

**Overall LMA & Unit Ratings, including DWR Erosion Survey**

**San Joaquin River Basin**

<b>RD2064</b>	Overall LMA Rating	Total LMA Miles	* Overall LMA Threshold Percent is less than 10.00%; however, U Rated Miles are present, so the Overall LMA Rating is M instead of A.					
<b>Reclamation District No. 2064 River Junction</b>	<b>M *</b>	<b>11.65</b>						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.15		0.15	1.29%				
Trim / Thin Trees	0.05	0.03	0.17	1.46%				
Encroachments					0.18	0.10		
Animal Control	0.46		0.46	3.95%				
Slope Stability	0.01		0.01	0.09%				
Erosion / Bank Caving	0.02		0.02	0.17%				
<i>Supplemental</i>								
DRAFT DWR UCIP Field Study					0.23	0.01		
DRAFT DWR UCIP LMA Responsibility								
<i>LMA Totals:</i>	0.69	0.03	0.81	6.96% *	0.41	0.11	0.00	0.00
<b>Unit No. 01 San Joaquin River RB</b>	Overall Unit Rating	Total Unit Miles						
<b>RD2064</b>	<b>A</b>	<b>5.56</b>						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Trim / Thin Trees	0.03		0.03	0.54%				
Encroachments					0.01	0.02		
Animal Control	0.45		0.45	8.09%				
Slope Stability	0.01		0.01	0.18%				
<i>Supplemental</i>								
DRAFT DWR UCIP Field Study					0.12	0.01		
DRAFT DWR UCIP LMA Responsibility								
<i>Unit Totals:</i>	0.49	0.00	0.49	8.81%	0.13	0.03	0.00	0.00
<b>Unit No. 02 Stanislaus River RB</b>	Overall Unit Rating	Total Unit Miles	* Overall Unit Threshold Percent is less than 10.00%; however, U Rated Miles are present, so the Overall Unit Rating is M instead of A.					
<b>RD2064</b>	<b>M *</b>	<b>6.08</b>						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.15		0.15	2.47%				
Trim / Thin Trees	0.02	0.03	0.14	2.30%				
Encroachments					0.17	0.08		
Animal Control	0.01		0.01	0.16%				
Erosion / Bank Caving	0.02		0.02	0.33%				
<i>Supplemental</i>								
DRAFT DWR UCIP Field Study					0.11			
<i>Unit Totals:</i>	0.20	0.03	0.32	5.26% *	0.28	0.08	0.00	0.00

**Flood Control Project Maintenance  
Levee Inspections**

**LMA District Cover Sheet**

**Fall 2019 Levee Inspection Results**

## Reclamation District No. 2064 River Junction

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
† Overall LMA Rating (Fall Only)			M *	

\*\* Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

\* Overall LMA Threshold Percent is less than 10.00%; however, U Rated Miles are present, so the Overall LMA Rating is M instead of A.

† SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments


**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Fall 2019 Levee Inspection Results**

**Reclamation District No. 2064 River Junction**

Waterway			Bank	Unit Miles
Unit No. 01 San Joaquin River			Right	5.56
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			<b>A</b>	
Date of Inspection	4/29/2019 - 4/29/2019		10/10/2019 - 10/10/2019	
DWR Inspector	Alberto De Leon		Alberto De Leon	
Accompanied By	Keith Veltkamp RD 2064		Keith Veltkamp RD 2064	
	Dan Eavenson MCR Engineering		Dan Eavenson MCR Engineering	
	Mike Engelmann DWR			

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- completion of the inspection
- any changes other than the results of normal maintenance
- corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

*The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.*

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	10/10/2019 10/10/2019	Alberto De Leon

LM Start		Rating **	A	Issue No.	6
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals			°	°
DWR ID	DWR_RD2064_01_f_2014_6				
Comment Code					
Inspector Comment					
District 2064 has the O&M Manual on hand.					

No Photos

LM Start		Rating **	A	Issue No.	7
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment			°	°
DWR ID	DWR_RD2064_01_f_2014_7				
Comment Code					
Inspector Comment					
District has an adequate supply of flood fight materials in storage.					

No Photos

LM Start		Rating **	A	Issue No.	8
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Flood Preparedness & Training			°	°
DWR ID	DWR_RD2064_01_f_2014_8				
Comment Code					
Inspector Comment					
District 2064 has been trained for flood fighting.					

No Photos

**\* Location**  
 LS : Land Side    N/A : Not Applicable  
 WS : Water Side  
 CR : Crown

**\*\* Rating**  
 A : Acceptable                      N : Not Inspected/Rated  
 M : Minimally Acceptable        C : Corrected  
 U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
 Ma : Maintenance Deficiency  
 Ob : Design & System Obsolescence  
 En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	10/10/2019 10/10/2019	Alberto De Leon

LM Start	0.06	Rating **	A/W	Issue No.	45
LM End	0.06	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.709804 °	37.709804 °
				-121.267559 °	-121.267559 °
DWR ID	20511				
Comment Code					
Inspector Comment					
DS_ID:20511 FS_ID:43603 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: Debris removed from flap gate on waterside tow FIELD_STRUCT_DESC: 36-inch by 36-inch reinforced concrete box drainage culvert through the levee, 21 feet below the crown. Concrete U-shaped headwalls on both ends. Slide gate in a 6-foot by 7-foot concrete riser on the waterside (WS) slope. Flap gate on the WS end. Flashboard slots on the landside (LS) headwall. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 3, December 1968, (HLM 0.07)]. FS Date: 3/2/2015					

Photo 1 of 3 : UCIP\_FA\_2019\_43603\_31258.jpg



Slide gate in concrete riser on WS shoulder.

LM Start	<b>0.06</b>	Rating **	A/W	Issue No.	<b>45 (cont)</b>
LM End	<b>0.06</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2019\_43603\_31257.jpg



Flap gate and U shaped headwall on WS toe. Debris blocking closure of gate.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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## Levee Inspection Report By Mile - Fall 2019

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	10/10/2019 10/10/2019	Alberto De Leon

Photo 3 of 3 : UCIP\_FA\_2019\_43603\_31256.jpg



09/27/2019 04:53

Concrete headwall at inlet on LS toe.

Photo 1 of 3 : UCIP\_FA\_2019\_18718\_31286.jpg

09/27/2013 09:03

Steel storm drain pipe with pump on pier in background.

* Location	** Rating	+ Issue Type
LS : Land Side    N/A : Not Applicable	A : Acceptable                      N : Not Inspected/Rated	Ma : Maintenance Deficiency
WS : Water Side	M : Minimally Acceptable        C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable                    A/W : Acceptable but Monitor & Maintain	En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	10/10/2019 10/10/2019	Alberto De Leon

LM Start	0.06	Rating **	M	Issue No.	46 (cont)	
LM End	0.06	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			37.709725 °	37.709725 °	
				-121.267534 °	-121.267534 °	
DWR ID	20512					
Comment Code						
Inspector Comment						
DS_ID:20512 FS_ID:18718 EP_NO: 13907 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: This pipe has less than 1-foot of cover. FIELD_STRUCT_DESC: 1 of 3: 24-inch coated steel drainage discharge pipe through the levee, 2 feet below the crown. Two 100-horsepower and one 75-horsepower pumps on the landside (LS) toe. Siphon breaker on the waterside (WS) shoulder. (Permit No. 13907, 1985 - Reclamation District No. 2064). [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 8/27/2013						

Photo 2 of 3 : UCIP\_FA\_2019\_18718\_31285.jpg



Pipe and siphon breaker visible on WS shoulder.

LM Start	<b>0.06</b>	Rating **	M	Issue No.	<b>46 (cont)</b>
LM End	<b>0.06</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_FA\_2019\_18718\_31284.jpg



Pump on wooden pier on LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	10/10/2019 10/10/2019	Alberto De Leon

LM Start	0.06	Rating **	M	Issue No.	47
LM End	0.06	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.709698 °	37.709698 °
				-121.267536 °	-121.267536 °
DWR ID	20527				
Comment Code					
Inspector Comment					
DS_ID:20527 FS_ID:22729 EP_NO: 13907 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: This pipe has less than 1-foot of cover. FIELD_STRUCT_DESC: 2 of 3: 24-inch coated steel drainage discharge pipe through the levee, 2 feet below the crown. Two 100-horsepower and one 75-horsepower pumps on pier at the landside (LS) toe. Siphon breaker on the waterside (WS) shoulder. (Permit No. 13907, 1985 - Reclamation District No. 2064). [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 8/27/2013					

LM Start	<b>0.06</b>	Rating **	M	Issue No.	<b>47 (cont)</b>
LM End	<b>0.06</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_FA\_2019\_22729\_38458.jpg



Pipe visible on LS.

Photo 2 of 3 : UCIP\_FA\_2019\_22729\_38457.jpg



Pipe and siphon breaker on WS shoulder.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
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**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	10/10/2019 10/10/2019	Alberto De Leon

LM Start	0.06	Rating **	M	Issue No.	47 (cont)	
LM End	0.06	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			37.709698 °	37.709698 °	
				-121.267536 °	-121.267536 °	
DWR ID	20527					
Comment Code						
Inspector Comment						
DS_ID:20527 FS_ID:22729 EP_NO: 13907 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: This pipe has less than 1-foot of cover. FIELD_STRUCT_DESC: 2 of 3: 24-inch coated steel drainage discharge pipe through the levee, 2 feet below the crown. Two 100-horsepower and one 75-horsepower pumps on pier at the landside (LS) toe. Siphon breaker on the waterside (WS) shoulder. (Permit No. 13907, 1985 - Reclamation District No. 2064). [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 8/27/2013						

Photo 3 of 3 : UCIP\_FA\_2019\_22729\_38456.jpg



Pump on wooden pier at LS toe.

LM Start	0.06	Rating **	M	Issue No.	48
LM End	0.06	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.709672 °	37.709672 °
				-121.267532 °	-121.267532 °
DWR ID	20528				
Comment Code					
Inspector Comment					
DS_ID:20528 FS_ID:18720 EP_NO: 13907 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: This pipe has less than 1-foot of cover. FIELD_STRUCT_DESC: 3 of 3: 24-inch coated steel drainage discharge pipe through the levee, 1 foot below the crown. Two 100-horsepower and one 75-horsepower pumps on the landside (LS) toe. Siphon breaker on the waterside (WS) shoulder. (Permit No. 13907, 1985 - Reclamation District No. 2064). [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 8/27/2013					

Photo 1 of 3 : UCIP\_FA\_2019\_18720\_31294.jpg



Steel pipe visible on LS.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	10/10/2019 10/10/2019	Alberto De Leon

LM Start	0.06	Rating **	M	Issue No.	48 (cont)	
LM End	0.06	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP Field Study			37.709672 °		37.709672 °
				-121.267532 °		-121.267532 °
DWR ID	20528					
Comment Code						
Inspector Comment						
DS_ID:20528 FS_ID:18720 EP_NO: 13907 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: This pipe has less than 1-foot of cover. FIELD_STRUCT_DESC: 3 of 3: 24-inch coated steel drainage discharge pipe through the levee, 1 foot below the crown. Two 100-horsepower and one 75-horsepower pumps on the landside (LS) toe. Siphon breaker on the waterside (WS) shoulder. (Permit No. 13907, 1985 - Reclamation District No. 2064). [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 8/27/2013						

Photo 2 of 3 : UCIP\_FA\_2019\_18720\_31293.jpg



Siphon breaker visible on WS shoulder.

LM Start	<b>0.06</b>	Rating **	M	Issue No.	<b>48 (cont)</b>
LM End	<b>0.06</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_FA\_2019\_18720\_31292.jpg



Pump on pier on LS.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	10/10/2019 10/10/2019	Alberto De Leon

LM Start	0.26	Rating **	C	Issue No.	23
LM End	0.26	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.707221°	37.707221°
				-121.268830°	-121.268830°
DWR ID	DWR_RD2064_01_f_2018_23				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	0.46	Rating **	M	Issue No.	25
LM End	0.46	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.705240°	37.705240°
				-121.271294°	-121.271294°
DWR ID	DWR_RD2064_01_f_2018_25				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	0.83	Rating **	M	Issue No.	27
LM End	0.83	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.700318 °	37.700318 °
				-121.272995 °	-121.272995 °
DWR ID	DWR_RD2064_01_f_2019_27				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA\_2019\_RD2064\_313\_27\_20191111\_00054.jpg



View of large rodent burrows on landside slope. Fall 2019

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	10/10/2019 10/10/2019	Alberto De Leon

LM Start	1.23	Rating **	M	Issue No.	49	
LM End	1.23	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			37.695529 °	37.695529 °	
				-121.270005 °	-121.270005 °	
DWR ID	20533					
Comment Code						
Inspector Comment						
DS_ID:20533						
FS_ID:40792						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Pump and slant pipe missing from structure on WS slope.						
FIELD_STRUCT_DESC: 12-inch concrete encased steel irrigation pipe through the levee, 13 feet below the crown. Slant pump on the waterside (WS) toe. Slide gate in a 36-inch corrugated metal pipe (CMP) riser on the WS shoulder. 6-foot by 6-foot concrete distribution box and filter plant on the landside (LS) toe. 2-inch galvanized iron electrical conduit at the same location. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 3, December 1968, (HLM 1.24)].						
FS Date: 8/27/2013						

LM Start	<b>1.23</b>	Rating **	M	Issue No.	<b>49 (cont)</b>
LM End	<b>1.23</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_FA\_2019\_40792\_31377.jpg



Slide gate in CMP riser on WS shoulder.

Photo 2 of 3 : UCIP\_FA\_2019\_40792\_31376.jpg



Concrete distribution box and filter plant on LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>N : Not Inspected/Rated</b> C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

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**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	10/10/2019 10/10/2019	Alberto De Leon

LM Start	1.23	Rating **	M	Issue No.	49 (cont)	
LM End	1.23	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			37.695529 °	37.695529 °	
				-121.270005 °	-121.270005 °	
DWR ID	20533					
Comment Code						
Inspector Comment						
DS_ID:20533 FS_ID:40792 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pump and slant pipe missing from structure on WS slope. FIELD_STRUCT_DESC: 12-inch concrete encased steel irrigation pipe through the levee, 13 feet below the crown. Slant pump on the waterside (WS) toe. Slide gate in a 36-inch corrugated metal pipe (CMP) riser on the WS shoulder. 6-foot by 6-foot concrete distribution box and filter plant on the landside (LS) toe. 2-inch galvanized iron electrical conduit at the same location. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 3, December 1968, (HLM 1.24)]. FS Date: 8/27/2013						

Photo 3 of 3 : UCIP\_FA\_2019\_40792\_31375.jpg



Pump and slant pipe missing from structure on WS slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	10/10/2019 10/10/2019	Alberto De Leon

LM Start	1.23	Rating **	U	Issue No.	50	
LM End	1.23	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			37.695506 °	37.695506 °	
				-121.269995 °	-121.269995 °	
DWR ID	20524					
Comment Code						
Inspector Comment						
DS_ID:20524 FS_ID:53378 EP_NO: 3739 Repair Type: Urgent Crossing Status: Found UCIP Comments: 10/10/2018 There is a lot going on at this location; levee erosion and the same sink hole and pipe integrity issue on LS that looks like it has only gotten worse, installation of new steel pipe on WS, and the WS slope looks to have eroded some since the last inspection. Keeping as Urgent, and highly recommend full audit of this crossing, including permitted work and internal pipe inspection (D. Sanoski - DWR UCIP).11/16/2016 same as last inspection leak has created sink hole near concrete distribution box located on the LS. Hole in pipe is visible at sink hole. Need to contact owner to address leak on LS. Recommend an internal inspection be completed for the pipe through the levee to determine pipe integrity. (O. Magana - DWR UCIP)08/27/2013 Some leakage at connection between pipe and distro box on LS toe. This may indicate internal failure of pipe. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 16-inch coated steel irrigation pipe through the levee, 10.75 feet below the crown. 2-inch galvanized iron electrical conduit at the same location. Slant pump on the waterside (WS) toe. Slide gate in a 36-inch corrugated metal pipe (CMP) riser on the WS shoulder. 6-foot by 6-foot concrete distribution box and filter plant on the landside (LS) toe. (16-inch pipe authorized under Permit No. 3739, 1961 - Mortensen and Barker). FS Date: 10/10/2018 1:10:00 PM						

LM Start	<b>1.23</b>	Rating **	U	Issue No.	<b>50 (cont)</b>
LM End	<b>1.23</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_FA\_2019\_53378\_38462.jpg



Slant pump on WS toe. Slide gate in 36-inch CMP riser on WS shoulder.

Photo 2 of 3 : UCIP\_FA\_2019\_53378\_38461.jpg



Concrete distribution box on LS toe with filter plant.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	10/10/2019 10/10/2019	Alberto De Leon

LM Start	1.23	Rating **	U	Issue No.	50 (cont)	
LM End	1.23	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP Field Study			37.695506 °	37.695506 °	
				-121.269995 °	-121.269995 °	
DWR ID	20524					
Comment Code						
Inspector Comment						
DS_ID:20524 FS_ID:53378 EP_NO: 3739 Repair Type: Urgent Crossing Status: Found UCIP Comments: 10/10/2018 There is a lot going on at this location; levee erosion and the same sink hole and pipe integrity issue on LS that looks like it has only gotten worse, installation of new steel pipe on WS, and the WS slope looks to have eroded some since the last inspection. Keeping as Urgent, and highly recommend full audit of this crossing, including permitted work and internal pipe inspection (D. Sanoski - DWR UCIP).11/16/2016 same as last inspection leak has created sink hole near concrete distribution box located on the LS. Hole in pipe is visible at sink hole. Need to contact owner to address leak on LS. Recommend an internal inspection be completed for the pipe through the levee to determine pipe integrity. (O. Magana - DWR UCIP)08/27/2013 Some leakage at connection between pipe and distro box on LS toe. This may indicate internal failure of pipe. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 16-inch coated steel irrigation pipe through the levee, 10.75 feet below the crown. 2-inch galvanized iron electrical conduit at the same location. Slant pump on the waterside (WS) toe. Slide gate in a 36-inch corrugated metal pipe (CMP) riser on the WS shoulder. 6-foot by 6-foot concrete distribution box and filter plant on the landside (LS) toe. (16-inch pipe authorized under Permit No. 3739, 1961 - Mortensen and Barker). FS Date: 10/10/2018 1:10:00 PM						

Photo 3 of 3 : UCIP\_FA\_2019\_53378\_38460.jpg



Leakage along pipe alignment on LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	10/10/2019 10/10/2019	Alberto De Leon

LM Start	<b>1.33</b>	Rating **	M	Issue No.	<b>28</b>
LM End	<b>1.33</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.694087°	37.694087°	
			-121.269725°	-121.269725°	
DWR ID	DWR_RD2064_01_f_2019_28				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	<b>1.65</b>	Rating **	A/W	Issue No.	<b>51</b>
LM End	<b>1.65</b>	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP LMA Responsibility		37.690072°	37.690072°	
			-121.269823°	-121.269823°	
DWR ID	20514				
Comment Code					
Inspector Comment					
DS_ID:20514 FS_ID:18748 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 30-inch by 30-inch reinforced concrete box drainage culvert through the levee, 15 feet below the crown. Slide gate in a concrete riser on the waterside (WS) shoulder. Concrete U-shaped headwalls on both ends. Flap gate on the WS end. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 3, December 1968, (HLM 1.65)]. FS Date: 8/27/2013					

Photo 1 of 3 : UCIP\_FA\_2019\_18748\_31380.jpg



Concrete headwall on LS toe.

* Location	** Rating	+ Issue Type
LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	10/10/2019 10/10/2019	Alberto De Leon

LM Start	1.65	Rating **	A/W	Issue No.	51 (cont)	
LM End	1.65	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.690072 °	37.690072 °	
				-121.269823 °	-121.269823 °	
DWR ID	20514					
Comment Code						
Inspector Comment						
DS_ID:20514 FS_ID:18748 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 30-inch by 30-inch reinforced concrete box drainage culvert through the levee, 15 feet below the crown. Slide gate in a concrete riser on the waterside (WS) shoulder. Concrete U-shaped headwalls on both ends. Flap gate on the WS end. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 3, December 1968, (HLM 1.65)]. FS Date: 8/27/2013						

LM Start	<b>1.65</b>	Rating **	A/W	Issue No.	<b>51 (cont)</b>
LM End	<b>1.65</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2019\_18748\_31379.jpg



Slide gate in concrete vault on WS shoulder.

Photo 3 of 3 : UCIP\_FA\_2019\_18748\_31378.jpg



Flap gate on WS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>N : Not Inspected/Rated</b> C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	10/10/2019 10/10/2019	Alberto De Leon

LM Start	<b>1.72</b>	Rating **	M	Issue No.	<b>35</b>
LM End	<b>1.72</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.689490°	37.689490°
				-121.268679°	-121.268679°
DWR ID	DWR_RD2064_01_f_2019_35				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	<b>1.94</b>	Rating **	M	Issue No.	<b>36</b>
LM End	<b>1.94</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.689889°	37.689889°
				-121.264812°	-121.264812°
DWR ID	DWR_RD2064_01_f_2019_36				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	10/10/2019 10/10/2019	Alberto De Leon

LM Start	1.94	Rating **	M	Issue No.	52
LM End	1.94	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.689900 °	37.689900 °
				-121.264802 °	-121.264802 °
DWR ID	20515				
Comment Code					
Inspector Comment					
DS_ID:20515 FS_ID:18763 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Culvert filled nearly to the top with soil. FIELD_STRUCT_DESC: 30-inch by 30-inch reinforced concrete box drainage culvert through the levee, 14.7 feet below the crown. Slide gate in a concrete riser on the waterside (WS) slope. Concrete U-shaped headwalls on both ends. Flap gate on the WS end. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 3, December 1968, (HLM 1.93)]. FS Date: 8/27/2013					

LM Start	<b>1.94</b>	Rating **	M	Issue No.	<b>52 (cont)</b>
LM End	<b>1.94</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_FA\_2019\_18763\_31402.jpg



Slide gate in Concrete riser on WS shoulder.

Photo 2 of 3 : UCIP\_FA\_2019\_18763\_31401.jpg



Concrete U-shaped headwall on LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	10/10/2019 10/10/2019	Alberto De Leon

LM Start	1.94	Rating **	M	Issue No.	52 (cont)
LM End	1.94	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.689900 °	37.689900 °
				-121.264802 °	-121.264802 °
DWR ID	20515				
Comment Code					
Inspector Comment					
DS_ID:20515 FS_ID:18763 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Culvert filled nearly to the top with soil. FIELD_STRUCT_DESC: 30-inch by 30-inch reinforced concrete box drainage culvert through the levee, 14.7 feet below the crown. Slide gate in a concrete riser on the waterside (WS) slope. Concrete U-shaped headwalls on both ends. Flap gate on the WS end. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 3, December 1968, (HLM 1.93)]. FS Date: 8/27/2013					

Photo 3 of 3 : UCIP\_FA\_2019\_18763\_31400.jpg



Concrete U-shaped headwall on LS toe.

LM Start	2.10	Rating **	M	Issue No.	29
LM End	2.17	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.689089 °	37.688376 °
				-121.262097 °	-121.261141 °
DWR ID	DWR_RD2064_01_f_2018_29				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	10/10/2019 10/10/2019	Alberto De Leon

LM Start	<b>2.14</b>	Rating **	M	Issue No.	<b>31</b>
LM End	<b>2.14</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.688714 °	37.688714 °
				-121.261480 °	-121.261480 °
DWR ID	DWR_RD2064_01_f_2018_31				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Old rodent holes need to be backfilled.					



View of animal holes on levee slope. Fall 2018

LM Start	<b>2.23</b>	Rating **	M	Issue No.	<b>37</b>
LM End	<b>2.39</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.688087 °	37.687929 °
				-121.260302 °	-121.257333 °
DWR ID	DWR_RD2064_01_f_2019_37				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	<b>2.45</b>	Rating **	M	Issue No.	<b>39</b>
LM End	<b>2.45</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.687403 °	37.687403 °
				-121.256541 °	-121.256541 °
DWR ID	DWR_RD2064_01_f_2019_39				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	10/10/2019 10/10/2019	Alberto De Leon

LM Start	2.45	Rating **	U	Issue No.	38
LM End	2.47	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.687402°	37.687158°
				-121.256542°	-121.256317°
DWR ID	DWR_RD2064_01_f_2019_38				
Comment Code					
MA : Material					
Inspector Comment					
Land owner is relocating fence and moving earth material along the landside easement. RD has advised landowner of possible encroachment issues. The RD has already been in contact with the CVFPB. Fall 2019					

Photo 1 of 1 : FA\_2019\_RD2064\_313\_38\_20191111\_00055.jpg



View of fence being relocated along landside toe. Fall 2019

LM Start	2.98	Rating **	M	Issue No.	40
LM End	2.98	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.680767 °	37.680767 °
				-121.258131 °	-121.258131 °
DWR ID	DWR_RD2064_01_f_2019_40				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

\* Location  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	10/10/2019 10/10/2019	Alberto De Leon

LM Start	3.26	Rating **	A/W	Issue No.	44
LM End	3.39	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			37.679100°	37.677800°
				-121.262600°	-121.264400°
DWR ID	LMA-488				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion from high water flows caused erosion scarps from 12" to 30" in height. The area of damage is approximately 400 feet in length.					
Site ID No:582					
Site Designation:LMA-488					
Repair Type: Erosion					
Rating:Serious					
Field Date:8/14/2017					
Notes:					

Photo 1 of 3 : FA\_2019\_RD2064\_313\_44\_20191210\_00057.jpg



Photo 2 of 3 : FA\_2019\_RD2064\_313\_44\_20191210\_00058.jpg



<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	10/10/2019 10/10/2019	Alberto De Leon

LM Start	3.26	Rating **	A/W	Issue No.	44 (cont)
LM End	3.39	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			37.679100°	37.677800°
				-121.262600°	-121.264400°
DWR ID	LMA-488				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion from high water flows caused erosion scarps from 12" to 30" in height. The area of damage is approximately 400 feet in length.					
Site ID No:582					
Site Designation:LMA-488					
Repair Type: Erosion					
Rating:Serious					
Field Date:8/14/2017					
Notes:					

Photo 3 of 3 : FA\_2019\_RD2064\_313\_44\_20191210\_00059.jpg



LM Start	3.31	Rating **	M	Issue No.	10
LM End	3.45	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.678708 °	37.676786 °
				-121.263415 °	-121.264207 °
DWR ID	DWR_RD2064_01_f_2017_10				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA\_2019\_RD2064\_313\_10\_20190830\_00001.jpg



View of animal holes on levee slope. Fall 2018

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>N : Not Inspected/Rated</b> C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	10/10/2019 10/10/2019	Alberto De Leon

LM Start	3.46	Rating **	M	Issue No.	53	
LM End	3.46	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP Field Study			37.676751 °		37.676751 °
				-121.264193 °		-121.264193 °
DWR ID	20517					
Comment Code						
Inspector Comment						
DS_ID:20517						
FS_ID:22731						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Indicator Found						
UCIP Comments: Neet to verify status of pipeline.						
FIELD_STRUCT_DESC: Underground gas line crossing; depth through the levee and size unknown. Found possible sign posts on WS toe.						
FS Date: 8/27/2013						

Photo 1 of 1 : UCIP\_FA\_2019\_22731\_38463.jpg



Possible sign posts on WS toe.

LM Start	3.49	Rating **	M	Issue No.	54
LM End	3.49	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.676276 °	37.676276 °
				-121.264104 °	-121.264104 °
DWR ID	24059				
Comment Code					
Inspector Comment					
DS_ID:24059 FS_ID:22085 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Unable to identify purpose or permit for this crossing. FIELD_STRUCT_DESC: 1 of 2: 4-inch galvanized iron conduit of an unknown purpose through the levee, at an unknown depth. Visible on downstream side of the bridge. 3.5-foot by 6-foot steel vault on crown. FS Date: 8/27/2013					

Photo 1 of 1 : UCIP\_FA\_2019\_22085\_37702.jpg



Upper conduit visible on DS side of bridge.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	10/10/2019 10/10/2019	Alberto De Leon

LM Start	3.49	Rating **	M	Issue No.	55
LM End	3.49	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.676276 °	37.676276 °
				-121.264104 °	-121.264104 °
DWR ID	24060				
Comment Code					
Inspector Comment					
DS_ID:24060 FS_ID:22790 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Unable to identify purpose or permit for this crossing. FIELD_STRUCT_DESC: 2 of 2: 4-inch galvanized iron conduit through the levee at unknown depth below the crown. Visible on downstream side of the bridge. 3.5-foot by 6-foot steel vault on crown. FS Date: 8/27/2013					

Photo 1 of 1 : UCIP\_FA\_2019\_22790\_38826.jpg



Lower conduit visible on DS side of bridge at WS slope.

LM Start	3.57	Rating **	M	Issue No.	56	
LM End	3.57	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP Field Study			37.675267 °		37.675267 °
				-121.263426 °		-121.263426 °
DWR ID	20519					
Comment Code						
Inspector Comment						
DS_ID:20519 FS_ID:19044 EP_NO: 6450 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Appears abandoned and if so should be done so properly. FIELD_STRUCT_DESC: *ABANDONED* 18-inch steel discharge pipe through the levee, 2 feet below the crown. Crown roadway padded over the pipe. Pipe exposed on both slopes. Gate valve on the landside (LS) toe. Pump missing from sump with sheet pile siding in ditch on the LS. Siphon breaker on the waterside (WS). (Permit No. 6450, 1969 - Reclamation District No. 2064). [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 8/27/2013						

Photo 1 of 3 : UCIP\_FA\_2019\_19044\_31844.jpg



Pipe and gate valve on LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	10/10/2019 10/10/2019	Alberto De Leon

LM Start	3.57	Rating **	M	Issue No.	56 (cont)	
LM End	3.57	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP Field Study			37.675267 °		37.675267 °
				-121.263426 °		-121.263426 °
DWR ID	20519					
Comment Code						
Inspector Comment						
DS_ID:20519 FS_ID:19044 EP_NO: 6450 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Appears abandoned and if so should be done so properly. FIELD_STRUCT_DESC: *ABANDONED* 18-inch steel discharge pipe through the levee, 2 feet below the crown. Crown roadway padded over the pipe. Pipe exposed on both slopes. Gate valve on the landside (LS) toe. Pump missing from sump with sheet pile siding in ditch on the LS. Siphon breaker on the waterside (WS). (Permit No. 6450, 1969 - Reclamation District No. 2064). [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 8/27/2013						

LM Start	<b>3.57</b>	Rating **	M	Issue No.	<b>56 (cont)</b>
LM End	<b>3.57</b>	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP\_FA\_2019\_19044\_31843.jpg



Pipe visible at sump off LS toe. No pump or appurtenances.

Photo 3 of 3 : UCIP\_FA\_2019\_19044\_31842.jpg



Gate valve on LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	10/10/2019 10/10/2019	Alberto De Leon

LM Start	3.57	Rating **	M	Issue No.	57	
LM End	3.57	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.675266 °	37.675266 °	
				-121.263421 °	-121.263421 °	
DWR ID	20525					
Comment Code						
Inspector Comment						
DS_ID:20525 FS_ID:22732 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to determine if pipe was actually removed from levee. FIELD_STRUCT_DESC: 12-inch steel drainage pipe through the levee, at an unknown depth. Steel plate welded over the landside (LS) end at the LS toe. (Permit No. 6450, 1969 - Reclamation District No. 2064, states it was removed in 1973, but it remains visible on the LS toe). [Additional Reference(s): USACE San Joaquin O&M Manual 3, December 1968, (HLM 3.55)]. FS Date: 8/27/2013						

Photo 1 of 2 : UCIP\_FA\_2019\_22732\_38465.jpg



Pipe visible on LS toe.

LM Start	<b>3.57</b>	Rating **	M	Issue No.	<b>57 (cont)</b>
LM End	<b>3.57</b>	Issue Type +	Ma	Location *	

Photo 2 of 2 : UCIP\_FA\_2019\_22732\_38464.jpg



Pipe with welded steel plate over LS end at LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	10/10/2019 10/10/2019	Alberto De Leon

LM Start	3.57	Rating **	M	Issue No.	58	
LM End	3.57	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			37.675247°	37.675247°	
				-121.263398°	-121.263398°	
DWR ID	20522					
Comment Code						
Inspector Comment						
DS_ID:20522 FS_ID:22733 EP_NO: 13609 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Appears abandoned and should be done so properly. Pipe was to be removed in 1984. FIELD_STRUCT_DESC: *ABANDONED* 1 of 2: 24-inch steel discharge pipe through the levee, 2 feet below the crown. Approximately 420 feet upstream of Durham Ferry-Airport Way Road. (Permit No. 13609, 1983 - Reclamation District No. 2064). FS Date: 8/27/2013						

LM Start	<b>3.57</b>	Rating **	M	Issue No.	<b>58 (cont)</b>
LM End	<b>3.57</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_FA\_2019\_22733\_38468.jpg



Pipe and vent visible on LS slope.

Photo 2 of 3 : UCIP\_FA\_2019\_22733\_38467.jpg



Pipe visible on WS slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	10/10/2019 10/10/2019	Alberto De Leon

LM Start	3.57	Rating **	M	Issue No.	58 (cont)	
LM End	3.57	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			37.675247°	37.675247°	
				-121.263398°	-121.263398°	
DWR ID	20522					
Comment Code						
Inspector Comment						
DS_ID:20522						
FS_ID:22733						
EP_NO: 13609						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Appears abandoned and should be done so properly. Pipe was to be removed in 1984.						
FIELD_STRUCT_DESC: *ABANDONED* 1 of 2: 24-inch steel discharge pipe through the levee, 2 feet below the crown.						
Approximately 420 feet upstream of Durham Ferry-Airport Way Road.						
(Permit No. 13609, 1983 - Reclamation District No. 2064).						
FS Date: 8/27/2013						

Photo 3 of 3 : UCIP\_FA\_2019\_22733\_38466.jpg



Pipe open at pump sump off LS toe.

LM Start	3.60	Rating **	M	Issue No.	59
LM End	3.60	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.675005 °	37.675005 °
				-121.263103 °	-121.263103 °
DWR ID	20534				
Comment Code					
Inspector Comment					
DS_ID:20534 FS_ID:19046 EP_NO: 13609 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Pipes should be abandoned properly. FIELD_STRUCT_DESC: *REMOVED* 2 of 2: 24-inch steel drainage pipe through the levee, 12.67 feet below the crown. Approximately 75 feet upstream of first 24-inch pipe. According to notes in permit, concrete rubble was placed over the pipe on the waterside (WS) slope. (Permit No. 13609, 1983 - Reclamation District No. 2064). FS Date: 8/27/2013					

Photo 1 of 2 : UCIP\_FA\_2019\_19046\_31849.jpg



Concrete rubble on WS slope possible indicator of abandoned pipe location.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	10/10/2019 10/10/2019	Alberto De Leon

LM Start	<b>3.60</b>	Rating **	M	Issue No.	<b>59 (cont)</b>							
LM End	<b>3.60</b>	Issue Type +	En	Location *								
Category	Supplemental		GPS Latitude/Longitude									
			Start	End								
Item	DRAFT DWR UCIP Field Study		37.675005°	37.675005°								
			-121.263103°	-121.263103°								
DWR ID	20534											
Comment Code												
Inspector Comment												
DS_ID:20534 FS_ID:19046 EP_NO: 13609 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Pipes should be abandoned properly. FIELD_STRUCT_DESC: *REMOVED* 2 of 2: 24-inch steel drainage pipe through the levee, 12.67 feet below the crown. Approximately 75 feet upstream of first 24-inch pipe. According to notes in permit, concrete rubble was placed over the pipe on the waterside (WS) slope. (Permit No. 13609, 1983 - Reclamation District No. 2064). FS Date: 8/27/2013												

Photo 2 of 2 : UCIP\_FA\_2019\_19046\_31848.jpg



Concrete rubble on WS slope possible indicator of abandoned pipe location.

LM Start	<b>3.92</b>	Rating **	A/W	Issue No.	<b>24</b>							
LM End	<b>4.03</b>	Issue Type +	Ob	Location *								
Category	Supplemental		GPS Latitude/Longitude									
			Start	End								
Item	2017 Storm Damage		37.673190°	37.672180°								
			-121.258140°	-121.256490°								
DWR ID	LMA-487											
Comment Code												
Inspector Comment												
Levee Evaluation Comments Description: The damaged area is due to extensive seepage occurring from high river flows, especially when the water level is above 25.0' at the Vernalis Gauge. The damage is from long-term saturated soil within the levee structure beyond the landside toe. This area is an extension of a seepage berm placed on an emergency work order in February 2017. Site ID No: 581 Site Designation: LMA-487 Repair Type: Seepage Rating: Area of Concern Field Date: 8/14/2017 Notes:												

Photo 1 of 3 : FA\_2019\_RD2064\_313\_24\_20190830\_00006.jpg



* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	10/10/2019 10/10/2019	Alberto De Leon

LM Start	3.92	Rating **	A/W	Issue No.	24 (cont)	
LM End	4.03	Issue Type +	Ob	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	2017 Storm Damage			37.673190 °	37.672180 °	
				-121.258140 °	-121.256490 °	
DWR ID	LMA-487					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:The damaged area is due to extensive seepage occurring from high river flows, especially when the water level is above 25.0' at the Vernalis Gauge. The damage is from long-term saturated soil within the levee structure beyond the landside toe. This area is an extension of a seepage berm placed on an emergency work order in February 2017.						
Site ID No:581						
Site Designation:LMA-487						
Repair Type: Seepage						
Rating:Area of Concern						
Field Date:8/14/2017						
Notes:						

Photo 2 of 3 : FA\_2019\_RD2064\_313\_24\_20190830\_00007.jpg



LM Start	<b>3.92</b>	Rating **	A/W	Issue No.	<b>24 (cont)</b>
LM End	<b>4.03</b>	Issue Type +	Ob	Location *	

Photo 3 of 3 : FA\_2019\_RD2064\_313\_24\_20190830\_00008.jpg

**\* Location**

LS : Land Side    N/A : Not Applicable  
 WS : Water Side  
 CR : Crown

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
 M : Minimally Acceptable        C : Corrected  
 U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
 Ob : Design & System Obsolescence  
 En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	10/10/2019 10/10/2019	Alberto De Leon

LM Start	<b>4.05</b>	Rating **	M	Issue No.	<b>33</b>
LM End	<b>4.05</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.672024 °	37.672024 °	
			-121.256289 °	-121.256289 °	
DWR ID	DWR_RD2064_01_f_2018_33				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	<b>4.53</b>	Rating **	M	Issue No.	<b>41</b>
LM End	<b>4.53</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		37.668750 °	37.668750 °	
			-121.249004 °	-121.249004 °	
DWR ID	DWR_RD2064_01_f_2019_41				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	<b>4.55</b>	Rating **	M	Issue No.	<b>42</b>
LM End	<b>4.55</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		37.668762 °	37.668762 °	
			-121.248697 °	-121.248697 °	
DWR ID	DWR_RD2064_01_f_2019_42				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	10/10/2019 10/10/2019	Alberto De Leon

LM Start	4.64	Rating **	M	Issue No.	43
LM End	4.64	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.669079 °	37.669079 °
				-121.247102 °	-121.247102 °
DWR ID	DWR_RD2064_01_f_2019_43				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
There are tire ruts on landside slope caused by farm equipment accessing levee crown. Fall 2019					

Photo 1 of 1 : FA\_2019\_RD2064\_313\_43\_20191111\_00056.jpg



View of tire ruts on landside slope caused by farm equipment accessing levee crown. Fall 2019

LM Start	4.71	Rating **	M	Issue No.	34
LM End	4.71	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.670134 °	37.670134 °
				-121.246964 °	-121.246964 °
DWR ID	DWR_RD2064_01_f_2018_34				
Comment Code					
ST : Stairway					
Inspector Comment					

No Photos

\* Location  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	10/10/2019 10/10/2019	Alberto De Leon

LM Start	4.72	Rating **	M	Issue No.	60	
LM End	4.72	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP Field Study			37.670161 °		37.670161 °
				-121.246973 °		-121.246973 °
DWR ID	20520					
Comment Code						
Inspector Comment						
DS_ID:20520 FS_ID:19063 EP_NO: 3359 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Pipe not found. Need to determine disposition of pipe as all other appurtances remain. FIELD_STRUCT_DESC: 1 of 2: 24-inch irrigation pipe of an unknown material through the levee, 3.5 feet below the crown. Pump mounted on pipe structure in the river. Protective fender in the stream. Wooden walkway to the pump structure. Siphon breaker on the landside (LS). (Permit No. 3359, 1960 - Cook Land and Cattle Company). [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 3, December 1968, (HLM 4.69)]. FS Date: 8/27/2013						

LM Start	<b>4.72</b>	Rating **	M	Issue No.	<b>60 (cont)</b>
LM End	<b>4.72</b>	Issue Type +	En	Location *	

Photo 1 of 2 : UCIP\_FA\_2019\_19063\_31861.jpg



Concrete distribution box remains in center of structure on LS toe.

Photo 2 of 2 : UCIP\_FA\_2019\_19063\_31860.jpg



Pump platform, walkway, and fender remain in stream. No 24-1inch pipe found.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	10/10/2019 10/10/2019	Alberto De Leon

LM Start	4.72	Rating **	M	Issue No.	61	
LM End	4.72	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP Field Study			37.670161 °		37.670161 °
				-121.246973 °		-121.246973 °
DWR ID	20530					
Comment Code						
Inspector Comment						
DS_ID:20530 FS_ID:19064 EP_NO: 3359 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Pipe not found. Need to determine disposition of pipe as all other appurtances remain. FIELD_STRUCT_DESC: 2 of 2: 18-inch irrigation pipe of an unknown material through the levee, 3.5 feet below the crown. Pump mounted on pipe structure in the river. Protective fender in the stream. Wooden walkway to the pump structure. Siphon breaker on the landside (LS). (Permit No. 3359, 1960 - Cook Land and Cattle Company). [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 3, December 1968, (HLM 4.69)]. FS Date: 8/27/2013						

Photo 1 of 2 : UCIP\_FA\_2019\_19064\_31863.jpg



Concrete distribution box in center of structure on LS toe.

LM Start	<b>4.72</b>	Rating **	M	Issue No.	<b>61 (cont)</b>
LM End	<b>4.72</b>	Issue Type +	En	Location *	

Photo 2 of 2 : UCIP\_FA\_2019\_19064\_31862.jpg



Pump platform and fender visible on WS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	10/10/2019 10/10/2019	Alberto De Leon

LM Start	4.82	Rating **	A/W	Issue No.	26
LM End	4.85	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			37.671730 °	37.672140 °
				-121.246820 °	-121.246800 °
DWR ID	LMA-489				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion from high water flows caused erosion scarps from 12" to 24" in height. The area of damage is approximately 600 feet in length.					
Site ID No:583					
Site Designation:LMA-489					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:8/14/2017					
Notes: Minor toe erosion					

Photo 1 of 3 : FA\_2019\_RD2064\_313\_26\_20190830\_00009.jpg



LM Start	<b>4.82</b>	Rating **	A/W	Issue No.	<b>26 (cont)</b>
LM End	<b>4.85</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : FA\_2019\_RD2064\_313\_26\_20190830\_00010.jpg



<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	5.56	10/10/2019 10/10/2019	Alberto De Leon

LM Start	4.82	Rating **	A/W	Issue No.	26 (cont)
LM End	4.85	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			37.671730 °	37.672140 °
				-121.246820 °	-121.246800 °
DWR ID	LMA-489				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:Erosion from high water flows caused erosion scarps from 12" to 24" in height. The area of damage is approximately 600 feet in length.					
Site ID No:583					
Site Designation:LMA-489					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:8/14/2017					
Notes: Minor toe erosion					

Photo 3 of 3 : FA\_2019\_RD2064\_313\_26\_20190830\_00011.jpg



LM Start	5.31	Rating **	A/W	Issue No.	30
LM End		Issue Type +	Ob	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			37.670690 °	°
				-121.241600 °	°
DWR ID	195-8				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:					
Site ID No:103					
Site Designation:195-8					
Repair Type: Seepage					
Rating:					
Field Date:					
Notes:					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Fall 2019 Levee Inspection Results**

**Reclamation District No. 2064 River Junction**

Waterway			Bank	Unit Miles
Unit No. 02 Stanislaus River			Right	6.08
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			<b>M *</b>	
Date of Inspection	4/29/2019 - 4/29/2019		10/10/2019 - 10/10/2019	
DWR Inspector	Alberto De Leon		Alberto De Leon	
Accompanied By	Keith Veltkamp		Keith Veltkamp	
	Dan Eavenson MCR Engineering		Dan Eavenson MCR Engineering	
	Mike Engelmann DWR			

\* Overall LMA Threshold Percent is less than 10.00%; however, U Rated Miles are present, so the Overall LMA Rating is M instead of A.

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- completion of the inspection
- any changes other than the results of normal maintenance
- corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

*The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.*

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	10/10/2019 10/10/2019	Alberto De Leon

LM Start	0.05	Rating **	C	Issue No.	22
LM End	0.05	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.666892 °	37.666892 °
				-121.240202 °	-121.240202 °
DWR ID	DWR_RD2064_02_s _ 2019_22				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	0.07	Rating **	C	Issue No.	26
LM End	0.07	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.666833 °	37.666833 °
				-121.239725 °	-121.239725 °
DWR ID	DWR_RD2064_02_s _ 2019_26				
Comment Code					
DE : Debris					
Inspector Comment					

No Photos

LM Start	0.26	Rating **	M	Issue No.	19
LM End	0.26	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.664987 °	37.664987 °
				-121.237615 °	-121.237615 °
DWR ID	DWR_RD2064_02_f _ 2019_19				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	10/10/2019 10/10/2019	Alberto De Leon

LM Start	0.31	Rating **	C	Issue No.	24
LM End	0.31	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.664777 °	37.664777 °
				-121.236906 °	-121.236906 °
DWR ID	DWR_RD2064_02_f_2018_24				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	0.33	Rating **	M	Issue No.	44
LM End	0.33	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.664752 °	37.664752 °
				-121.236512 °	-121.236512 °
DWR ID	24062				
Comment Code					
Inspector Comment					
DS_ID:24062					
FS_ID:44653					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Plan of action in progress to install permanant pipe and pump by August 2015. No permit identified for large PVC irrigation pipe with inadequate cover.					
FIELD_STRUCT_DESC: 8-inch polyvinyl chloride (PVC) irrigation pipe through the levee, 0.5 feet below the crown. Portable pump on the berm, and a filter plant on the landside (LS) toe. Vent at filter plant on the LS toe.					
FS Date: 4/22/2015					

Photo 1 of 3 : UCIP\_FA\_2019\_44653\_37715.jpg



Pipe, vent, and filter plant on LS shoulder and LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	10/10/2019 10/10/2019	Alberto De Leon

LM Start	0.33	Rating **	M	Issue No.	44 (cont)	
LM End	0.33	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP Field Study			37.664752 °		37.664752 °
				-121.236512 °		-121.236512 °
DWR ID	24062					
Comment Code						
Inspector Comment						
DS_ID:24062 FS_ID:44653 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Plan of action in progress to install permanant pipe and pump by August 2015. No permit identified for large PVC irrigation pipe with inadequate cover. FIELD_STRUCT_DESC: 8-inch polyvinyl chloride (PVC) irrigation pipe through the levee, 0.5 feet below the crown. Portable pump on the berm, and a filter plant on the landside (LS) toe. Vent at filter plant on the LS toe. FS Date: 4/22/2015						

LM Start	<b>0.33</b>	Rating **	M	Issue No.	<b>44 (cont)</b>
LM End	<b>0.33</b>	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP\_FA\_2019\_44653\_37714.jpg



Pipe visible on WS shoulder/slope.

Photo 3 of 3 : UCIP\_FA\_2019\_44653\_37713.jpg



Portable pump on WS berm.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	10/10/2019 10/10/2019	Alberto De Leon

LM Start	0.33	Rating **	M	Issue No.	45
LM End	0.33	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.664740 °	37.664740 °
				-121.236474 °	-121.236474 °
DWR ID	20537				

**Comment Code**

**Inspector Comment**

DS\_ID:20537  
FS\_ID:51385  
EP\_NO: 4462  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: 11/16/2016 Crossing has been downgraded from Urgent to Non-Urgent pipe has been grouted and new pipe installed however, no permit is currently available to document work. Need to contact owner to determine permit authorizing existing pipe to be grouted and new pipe to be installed. (O. Magana - DWR UCIP)08/28/2013 Pipe failing on LS toe do to excessive rust. Pump missing from deteriorating wooden platform on LS slope. Pipe crossing being repaired at site. (W. Wylie - DWR UCIP)  
FIELD\_STRUCT\_DESC: \*ABANDONED\* 16-inch steel irrigation pipe through the levee, 3.5 feet below the crown. 2-inch electrical conduit through the levee at the same location. Slant pump on the bank. Siphon breaker on the landside (LS) shoulder. Timber walkway from the levee slope to the pump motor on the waterside (WS). Pump, motor, and walkway have been removed as of 2016. Siphon breaker and grouted pipe still remain at this location as of 2016. (16-inch pipe authorized under Permit No. 4462, 1964 - C. L. Ball). [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 3, December 1968, (HLM 0.33), Drawing No. 7-4-1685, Sheet 1685/58, (Station 307+57A)].  
FS Date: 11/16/2016

LM Start	<b>0.33</b>	Rating **	M	Issue No.	<b>45 (cont)</b>
LM End	<b>0.33</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_FA\_2019\_51385\_31892.jpg



Siphon breaker in 24-inch CMP riser on LS shoulder.

Photo 2 of 3 : UCIP\_FA\_2019\_51385\_31891.jpg



Deteriorated wooded pump platform on WS shoulder.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	10/10/2019 10/10/2019	Alberto De Leon

LM Start	0.33	Rating **	M	Issue No.	45 (cont)	
LM End	0.33	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			37.664740 °	37.664740 °	
				-121.236474 °	-121.236474 °	
DWR ID	20537					
Comment Code						
Inspector Comment						
DS_ID:20537 FS_ID:51385 EP_NO: 4462 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 11/16/2016 Crossing has been downgraded from Urgent to Non-Urgent pipe has been grouted and new pipe installed however, no permit is currently available to document work. Need to contact owner to determine permit authorizing existing pipe to be grouted and new pipe to be installed. (O. Magana - DWR UCIP)08/28/2013 Pipe failing on LS toe do to excessive rust. Pump missing from deteriorating wooden platform on LS slope. Pipe crossing being repaired at site. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: *ABANDONED* 16-inch steel irrigation pipe through the levee, 3.5 feet below the crown. 2-inch electrical conduit through the levee at the same location. Slant pump on the bank. Siphon breaker on the landside (LS) shoulder. Timber walkway from the levee slope to the pump motor on the waterside (WS). Pump, motor, and walkway have been removed as of 2016. Siphon breaker and grouted pipe still remain at this location as of 2016. (16-inch pipe authorized under Permit No. 4462, 1964 - C. L. Ball). [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 3, December 1968, (HLM 0.33), Drawing No. 7-4-1685, Sheet 1685/58, (Station 307+57A)]. FS Date: 11/16/2016						

Photo 3 of 3 : UCIP\_FA\_2019\_51385\_31890.jpg



2-inch galvanized iron electrical conduit at same location.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	10/10/2019 10/10/2019	Alberto De Leon

LM Start	0.71	Rating **	C	Issue No.	20	
LM End	0.71	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	2017 Storm Damage			37.664200 °		37.664200 °
				-121.230420 °		-121.230420 °
DWR ID	LMA-490					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:POI is a waterside sinkhole with an existing seepage berm on the landside. This site was flood fought in 2017 with sack rings.						
Site ID No:584						
Site Designation:LMA-490						
Repair Type: Stability						
Rating:Area of Concern						
Field Date:8/16/2017						
Notes: POI is a waterside sinkhole						

No Photos

LM Start	0.97	Rating **	M	Issue No.	27
LM End	0.97	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.667675 °	37.667675 °
				-121.229944 °	-121.229944 °
DWR ID	DWR_RD2064_02_f _ 2018_27				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Repair slope damage due to surface runoff.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	10/10/2019 10/10/2019	Alberto De Leon

LM Start	1.05	Rating **	C	Issue No.	28
LM End	1.07	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.668788 °	37.669144 °
				-121.229731 °	-121.229501 °
DWR ID	DWR_RD2064_02_f_2018_28				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
Slope damage caused by vehicular traffic needs to be repaired.					

No Photos

LM Start	1.11	Rating **	C	Issue No.	29
LM End	1.11	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.669488 °	37.669488 °
				-121.229082 °	-121.229082 °
DWR ID	DWR_RD2064_02_f_2018_29				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
Slope damage caused by vehicular traffic needs to be repaired.					

No Photos

LM Start	1.14	Rating **	M	Issue No.	30
LM End	1.14	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.669871 °	37.669871 °
				-121.228830 °	-121.228830 °
DWR ID	DWR_RD2064_02_f_2018_30				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Monitor slope damage from vehicles. LMA created a berm to prevent vehicles from driving onto the levee slope.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	10/10/2019 10/10/2019	Alberto De Leon

LM Start	<b>1.63</b>	Rating **	M	Issue No.	<b>21</b>
LM End	<b>1.63</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.671846°	37.671846°	
			-121.221637°	-121.221637°	
DWR ID	DWR_RD2064_02_f_2019_21				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	<b>1.73</b>	Rating **	M	Issue No.	<b>25</b>
LM End	<b>1.75</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.673232°	37.673445°	
			-121.221993°	-121.222180°	
DWR ID	DWR_RD2064_02_f_2019_25				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	<b>1.77</b>	Rating **	U	Issue No.	<b>17</b>
LM End	<b>1.85</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		37.673714°	37.674829°	
			-121.222345°	-121.222822°	
DWR ID	DWR_RD2064_02_s_2017_17				
Comment Code					
BU : Building					
Inspector Comment					
The LMA manager is currently working with the Board to take action on several encroachments (buildings, sheds, vehicles, equipment, debris, etc.).					

Photo 1 of 1 : FA\_2019\_RD2064\_314\_17\_20190830\_00001.jpg



RD 2064 looking upstream from levee mile 1.96 landside, building within the easement.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	10/10/2019 10/10/2019	Alberto De Leon

LM Start	1.78	Rating **	M	Issue No.	31
LM End	1.78	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.673827 °	37.673827 °
				-121.222411 °	-121.222411 °
DWR ID	DWR_RD2064_02_f_2018_31				
Comment Code					
ST : Stairway					
Inspector Comment					

Photo 1 of 1 : FA\_2019\_RD2064\_314\_31\_20190830\_00006.jpg



View of stairway with railing that appears to be without a permit. Fall 2018

LM Start	1.97	Rating **	M	Issue No.	46
LM End	1.97	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.676454 °	37.676454 °
				-121.223204 °	-121.223204 °
DWR ID	24063				
Comment Code					
Inspector Comment					
DS_ID:24063					
FS_ID:22095					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: No permit identified for this crossing.					
FIELD_STRUCT_DESC: 6-inch steel irrigation pipe through the levee, at an unknown depth. Pump on wooden pier on the waterside (WS).					
Vent between 2 steel bollards on the landside (LS) shoulder. Filter plant on the LS toe. 1.5-inch galvanized iron electrical conduit at the same location.					
FS Date: 8/27/2013					

Photo 1 of 3 : UCIP\_FA\_2019\_22095\_37722.jpg



Pipe and vent visible on WS shoulder at wooden walkway.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	10/10/2019 10/10/2019	Alberto De Leon

LM Start	<b>1.97</b>	Rating **	M	Issue No.	<b>46 (cont)</b>
LM End	<b>1.97</b>	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.676454 °	37.676454 °
				-121.223204 °	-121.223204 °
DWR ID	24063				

**Comment Code**

**Inspector Comment**

DS\_ID:24063  
FS\_ID:22095  
EP\_NO: N/A  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: No permit identified for this crossing.  
FIELD\_STRUCT\_DESC: 6-inch steel irrigation pipe through the levee, at an unknown depth. Pump on wooden pier on the waterside (WS). Vent between 2 steel bollards on the landside (LS) shoulder. Filter plant on the LS toe. 1.5-inch galvanized iron electrical conduit at the same location.  
FS Date: 8/27/2013

LM Start	<b>1.97</b>	Rating **	M	Issue No.	<b>46 (cont)</b>
LM End	<b>1.97</b>	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP\_FA\_2019\_22095\_37721.jpg



Vent on LS shoulder.

Photo 3 of 3 : UCIP\_FA\_2019\_22095\_37720.jpg



Filterplant visible on LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	10/10/2019 10/10/2019	Alberto De Leon

LM Start	1.97	Rating **	C	Issue No.	23
LM End	1.97	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.676454 °	37.676454 °
				-121.223200 °	-121.223200 °
DWR ID	DWR_RD2064_02_s_2017_23				
Comment Code					
EQ : Equipment					
Inspector Comment					
This equipment and other materials need to be removed from the landside easement.					

No Photos

LM Start	2.31	Rating **	M	Issue No.	32
LM End	2.37	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.681173 °	37.682045 °
				-121.224122 °	-121.224106 °
DWR ID	DWR_RD2064_02_f_2019_32				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Vegetation has been sprayed, however, Johnson grass has resurfaced and is scheduled to be mowed late fall 2019.					

Photo 1 of 1 : FA\_2019\_RD2064\_314\_32\_20191111\_00055.jpg



View of vegetation on landside slope. Fall 2019

LM Start	2.51	Rating **	C	Issue No.	33
LM End	2.51	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.683919 °	37.683919 °
				-121.223832 °	-121.223832 °
DWR ID	DWR_RD2064_02_f_2018_33				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
Monitor vehicle traffic on the levee slope.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>N : Not Inspected/Rated</b> C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	10/10/2019 10/10/2019	Alberto De Leon

LM Start	2.53	Rating **	M	Issue No.	47	
LM End	2.53	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			37.684148 °	37.684148 °	
				-121.223599 °	-121.223599 °	
DWR ID	20540					
Comment Code						
Inspector Comment						
DS_ID:20540						
FS_ID:19086						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Leak next to roadway may indicate pipe has reached life capacity-good candidate for video inspection.						
FIELD_STRUCT_DESC: 30-inch by 30-inch reinforced concrete box irrigation culvert through the levee, 14.5 feet below the crown. Pipe reduced to 24-inch through the berm to pump house. Slide gate in a 6-foot by 7-foot concrete riser on the waterside (WS) slope. Slant pump mounted on the berm next to a 5-foot by 9-foot concrete riser. 1.5-inch electrical conduit at the same location. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 3, December 1968, (HLM 2.51)].						
FS Date: 8/28/2013						

LM Start	<b>2.53</b>	Rating **	M	Issue No.	<b>47 (cont)</b>
LM End	<b>2.53</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_FA\_2019\_19086\_31954.jpg



Gate valve on WS shoulder. Pump next to concrete riser in background.

Photo 2 of 3 : UCIP\_FA\_2019\_19086\_31953.jpg



Wet area next to roadway off LS toe may indicate a leak. Power pole and meter on LS toe.

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>N : Not Inspected/Rated</b> C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	10/10/2019 10/10/2019	Alberto De Leon

LM Start	2.53	Rating **	M	Issue No.	47 (cont)	
LM End	2.53	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			37.684148 °	37.684148 °	
				-121.223599 °	-121.223599 °	
DWR ID	20540					
Comment Code						
Inspector Comment						
DS_ID:20540 FS_ID:19086 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Leak next to roadway may indicate pipe has reached life capacity-good candidate for video inspection. FIELD_STRUCT_DESC: 30-inch by 30-inch reinforced concrete box irrigation culvert through the levee, 14.5 feet below the crown. Pipe reduced to 24-inch through the berm to pump house. Slide gate in a 6-foot by 7-foot concrete riser on the waterside (WS) slope. Slant pump mounted on the berm next to a 5-foot by 9-foot concrete riser. 1.5-inch electrical conduit at the same location. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 3, December 1968, (HLM 2.51)]. FS Date: 8/28/2013						

Photo 3 of 3 : UCIP\_FA\_2019\_19086\_31952.jpg



Concrete riser in field north of levee likely outlet for cox culvert.

LM Start	2.72	Rating **	M	Issue No.	34
LM End	2.82	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.684490 °	37.685662 °
				-121.220602 °	-121.219735 °
DWR ID	DWR_RD2064_02_f _ 2018_34				
Comment Code					
FE : Fence					
Inspector Comment					
Fence with ivy growing on it blocks visibility of landside toe.					

Photo 1 of 1 : FA\_2019\_RD2064\_314\_34\_20190830\_00008.jpg



View of fence with ivy obstructing the visibility of the landside toe.  
(Spring 2019)

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	10/10/2019 10/10/2019	Alberto De Leon

LM Start	2.77	Rating **	C	Issue No.	37
LM End	2.77	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.685138 °	37.685138 °
				-121.220125 °	-121.220125 °
DWR ID	DWR_RD2064_02_s_2019_37				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

LM Start	2.84	Rating **	M	Issue No.	38
LM End	2.84	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.685977 °	37.685977 °
				-121.219518 °	-121.219518 °
DWR ID	DWR_RD2064_02_s_2019_38				
Comment Code					
PR : Prunings					
Inspector Comment					
There is a pruning pile on the landside shoulder.					

Photo 1 of 1 : FA\_2019\_RD2064\_314\_38\_20190830\_00010.jpg



View of pruning pile on landside shoulder obstructing visibility. (Spring 2019)

LM Start	2.92	Rating **	M	Issue No.	35
LM End	2.92	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.686510 °	37.686510 °
				-121.218206 °	-121.218206 °
DWR ID	DWR_RD2064_02_f_2019_35				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	10/10/2019 10/10/2019	Alberto De Leon

LM Start	<b>2.99</b>	Rating **	M	Issue No.	<b>36</b>
LM End	<b>3.04</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		37.687303°	37.687872°	
			-121.217415°	-121.217120°	
DWR ID	DWR_RD2064_02_f_2018_36				
Comment Code					
FE : Fence					
Inspector Comment					
A fence encroaches on the levee toe.					

No Photos

LM Start	<b>3.00</b>	Rating **	M	Issue No.	<b>41</b>
LM End	<b>3.06</b>	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		37.687339°	37.688140°	
			-121.217398°	-121.216831°	
DWR ID	DWR_RD2064_02_f_2019_41				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	<b>3.27</b>	Rating **	C	Issue No.	<b>39</b>
LM End	<b>3.27</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		37.687523°	37.687523°	
			-121.213670°	-121.213670°	
DWR ID	DWR_RD2064_02_s_2019_39				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	10/10/2019 10/10/2019	Alberto De Leon

LM Start	3.41	Rating **	C	Issue No.	40
LM End	3.41	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.686735 °	37.686735 °
				-121.211395 °	-121.211395 °
DWR ID	DWR_RD2064_02_s_2019_40				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	4.09	Rating **	U	Issue No.	42
LM End	4.12	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.693944 °	37.694359 °
				-121.207286 °	-121.207224 °
DWR ID	DWR_RD2064_02_f_2019_42				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

Photo 1 of 1 : FA\_2019\_RD2064\_314\_42\_20191111\_00056.jpg



View of trees on landside slope. Fall 2019

**\* Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	10/10/2019 10/10/2019	Alberto De Leon

LM Start	4.19	Rating **	M	Issue No.	48	
LM End	4.19	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			37.695198 °	37.695198 °	
				-121.206414 °	-121.206414 °	
DWR ID	20542					
Comment Code						
Inspector Comment						
DS_ID:20542 FS_ID:41075 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Gate missing from LS ditch. FIELD_STRUCT_DESC: 24-inch steel irrigation pipe through the levee, 6 feet below the crown. Slide gate in a 36-inch corrugated metal pipe (CMP) riser on the waterside (WS). Pump mounted on pile structure in the river. Pipe discharges into a cobble grouted spillway on the landside (LS). Flap gate on the LS. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 3, December 1968, (HLM 4.15)]. FS Date: 8/28/2013						

LM Start	<b>4.19</b>	Rating **	M	Issue No.	<b>48 (cont)</b>
LM End	<b>4.19</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_FA\_2019\_41075\_31963.jpg



Pipe and pump visible on WS berm.

Photo 2 of 3 : UCIP\_FA\_2019\_41075\_31962.jpg



Slide gate in 36-inch CMP riser on WS slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	10/10/2019 10/10/2019	Alberto De Leon

LM Start	4.19	Rating **	M	Issue No.	48 (cont)	
LM End	4.19	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			37.695198 °	37.695198 °	
				-121.206414 °	-121.206414 °	
DWR ID	20542					
Comment Code						
Inspector Comment						
DS_ID:20542 FS_ID:41075 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Gate missing from LS ditch. FIELD_STRUCT_DESC: 24-inch steel irrigation pipe through the levee, 6 feet below the crown. Slide gate in a 36-inch corrugated metal pipe (CMP) riser on the waterside (WS). Pump mounted on pile structure in the river. Pipe discharges into a cobble grouted spillway on the landside (LS). Flap gate on the LS. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 3, December 1968, (HLM 4.15)]. FS Date: 8/28/2013						

Photo 3 of 3 : UCIP\_FA\_2019\_41075\_31961.jpg



Pipe with missing flapgate on LS at concrete ditch.

LM Start	4.24	Rating **	M	Issue No.	49
LM End	4.24	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.695745 °	37.695745 °
				-121.205865 °	-121.205865 °
DWR ID	24064				
Comment Code					
Inspector Comment					
DS_ID:24064 FS_ID:22107 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe does not have adequate cover at crown. FIELD_STRUCT_DESC: 12-inch steel discharge pipe through the levee, 0.5 feet below the crown. Pump on concrete headwall at the landside (LS) toe. Pipe discharges into a 6-foot by 7-foot concrete box on the waterside (WS) shoulder. FS Date: 8/28/2013					

Photo 1 of 2 : UCIP\_FA\_2019\_22107\_37736.jpg



Pump for pipe on concrete headwall at LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	10/10/2019 10/10/2019	Alberto De Leon

LM Start	4.24	Rating **	M	Issue No.	49 (cont)	
LM End	4.24	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			37.695745 °	37.695745 °	
				-121.205865 °	-121.205865 °	
DWR ID	24064					
Comment Code						
Inspector Comment						
DS_ID:24064						
FS_ID:22107						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Pipe does not have adequate cover at crown.						
FIELD_STRUCT_DESC: 12-inch steel discharge pipe through the levee, 0.5 feet below the crown. Pump on concrete headwall at the landside (LS) toe. Pipe discharges into a 6-foot by 7-foot concrete box on the waterside (WS) shoulder.						
FS Date: 8/28/2013						

Photo 2 of 2 : UCIP\_FA\_2019\_22107\_37735.jpg



Pipe discharges into concrete riser on WS slope.

LM Start	4.41	Rating **	A/W	Issue No.	50	
LM End	4.41	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.696386 °		37.696386 °
				-121.202963 °		-121.202963 °
DWR ID	20549					
Comment Code						
Inspector Comment						
DS_ID:20549 FS_ID:19117 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 30-inch drainage pipe of an unknown material through the levee, 10.5 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Two corrugated metal cutoff walls. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 3, December 1968, (HLM 4.37)]. FS Date: 8/28/2013						

Photo 1 of 3 : UCIP\_FA\_2019\_19117\_32069.jpg



Headwall on LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>N : Not Inspected/Rated</b> C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	10/10/2019 10/10/2019	Alberto De Leon

LM Start	4.41	Rating **	A/W	Issue No.	50 (cont)	
LM End	4.41	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.696386 °	37.696386 °	
				-121.202963 °	-121.202963 °	
DWR ID	20549					
Comment Code						
Inspector Comment						
DS_ID:20549 FS_ID:19117 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 30-inch drainage pipe of an unknown material through the levee, 10.5 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Two corrugated metal cutoff walls. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 3, December 1968, (HLM 4.37)]. FS Date: 8/28/2013						

Photo 2 of 3 : UCIP\_FA\_2019\_19117\_32068.jpg



Headwall on WS toe.

LM Start	<b>4.41</b>	Rating **	A/W	Issue No.	<b>50 (cont)</b>
LM End	<b>4.41</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_FA\_2019\_19117\_32067.jpg



Headwall on LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	10/10/2019 10/10/2019	Alberto De Leon

LM Start	4.51	Rating **	A/W	Issue No.	51
LM End	4.51	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.696892 °	37.696892 °
				-121.201228 °	-121.201228 °
DWR ID	20550				
Comment Code					
Inspector Comment					
DS_ID:20550 FS_ID:22793 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 30-inch corrugated metal drainage pipe through the levee, 8 feet below the crown. Concrete U-shaped headwalls on both ends, and a flap gate on the waterside (WS) end. Grouted spillway on the WS. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 3, December 1968, (HLM 4.47)]. FS Date: 8/28/2013					

Photo 1 of 3 : UCIP\_FA\_2019\_22793\_38842.jpg



Concrete headwall on WS toe.

LM Start	<b>4.51</b>	Rating **	A/W	Issue No.	<b>51 (cont)</b>
LM End	<b>4.51</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2019\_22793\_38841.jpg



Concrete headwall on LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	10/10/2019 10/10/2019	Alberto De Leon

LM Start	4.51	Rating **	A/W	Issue No.	51 (cont)	
LM End	4.51	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.696892 °		37.696892 °
				-121.201228 °		-121.201228 °
DWR ID	20550					
Comment Code						
Inspector Comment						
DS_ID:20550						
FS_ID:22793						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 30-inch corrugated metal drainage pipe through the levee, 8 feet below the crown. Concrete U-shaped headwalls on both ends, and a flap gate on the waterside (WS) end. Grouted spillway on the WS. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 3, December 1968, (HLM 4.47)].						
FS Date: 8/28/2013						

Photo 3 of 3 : UCIP\_FA\_2019\_22793\_38844.jpg



Concrete headwall on LS toe.

LM Start	4.64	Rating **	A/W	Issue No.	52
LM End	4.64	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.697101 °	37.697101 °
				-121.199048 °	-121.199048 °
DWR ID	20551				
Comment Code					
Inspector Comment					
DS_ID:20551					
FS_ID:19120					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments:					
FIELD_STRUCT_DESC: 30-inch corrugated metal drainage pipe through the levee, 10 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Two corrugated metal cutoff walls. Grouted spillway on the WS. Spillway damaged due to uprooted tree. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 3, December 1968, (HLM 4.59)].					
FS Date: 8/28/2013					

Photo 1 of 3 : UCIP\_FA\_2019\_19120\_32079.jpg



Concrete headwall on LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	10/10/2019 10/10/2019	Alberto De Leon

LM Start	4.64	Rating **	A/W	Issue No.	52 (cont)	
LM End	4.64	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.697101 °		37.697101 °
				-121.199048 °		-121.199048 °
DWR ID	20551					
Comment Code						
Inspector Comment						
DS_ID:20551 FS_ID:19120 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 30-inch corrugated metal drainage pipe through the levee, 10 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Two corrugated metal cutoff walls. Grouted spillway on the WS. Spillway damaged due to uprooted tree. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 3, December 1968, (HLM 4.59)]. FS Date: 8/28/2013						

LM Start	<b>4.64</b>	Rating **	A/W	Issue No.	<b>52 (cont)</b>
LM End	<b>4.64</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_FA\_2019\_19120\_32078.jpg



Concrete headwall on WS toe.

Photo 3 of 3 : UCIP\_FA\_2019\_19120\_32077.jpg



Concrete headwall on LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	10/10/2019 10/10/2019	Alberto De Leon

LM Start	4.78	Rating **	A/W	Issue No.	53
LM End	4.78	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.696888 °	37.696888 °
				-121.196511 °	-121.196511 °
DWR ID	20552				
Comment Code					
Inspector Comment					
DS_ID:20552					
FS_ID:19122					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments:					
FIELD_STRUCT_DESC: 30-inch corrugated metal drainage pipe through the levee, 8.5 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Two corrugated metal cutoff walls. Grouted spillway on the WS. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 3, December 1968, (HLM 4.73)].					
FS Date: 8/28/2013					

LM Start	<b>4.78</b>	Rating **	A/W	Issue No.	<b>53 (cont)</b>
LM End	<b>4.78</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_FA\_2019\_19122\_32083.jpg



Concrete headwall on LS toe.

Photo 2 of 3 : UCIP\_FA\_2019\_19122\_32082.jpg



Concrete headwall on WS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	10/10/2019 10/10/2019	Alberto De Leon

LM Start	4.78	Rating **	A/W	Issue No.	53 (cont)
LM End	4.78	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.696888 °	37.696888 °
				-121.196511 °	-121.196511 °
DWR ID	20552				
Comment Code					
Inspector Comment					
DS_ID:20552 FS_ID:19122 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 30-inch corrugated metal drainage pipe through the levee, 8.5 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Two corrugated metal cutoff walls. Grouted spillway on the WS. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 3, December 1968, (HLM 4.73)]. FS Date: 8/28/2013					

Photo 3 of 3 : UCIP\_FA\_2019\_19122\_32081.jpg



Concrete headwall on LS toe.

LM Start	4.92	Rating **	M	Issue No.	54
LM End	4.92	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.696146 °	37.696146 °
				-121.194093 °	-121.194093 °
DWR ID	24065				
Comment Code					
Inspector Comment					
DS_ID:24065 FS_ID:22108 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No permit identified for this discharge pipe. FIELD_STRUCT_DESC: 1 of 2: 4-inch polyvinyl chloride (PVC) discharge pipe through the 30-inch drainage pipe, 11 feet below the crown. No permit. FS Date: 8/28/2013					

Photo 1 of 3 : UCIP\_FA\_2019\_22108\_37739.jpg



PVC pipe at right inside stormdrain on LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	10/10/2019 10/10/2019	Alberto De Leon

LM Start	4.92	Rating **	M	Issue No.	54 (cont)
LM End	4.92	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.696146°	37.696146°
				-121.194093°	-121.194093°
DWR ID	24065				
Comment Code					
Inspector Comment					
DS_ID:24065 FS_ID:22108 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No permit identified for this discharge pipe. FIELD_STRUCT_DESC: 1 of 2: 4-inch polyvinyl chloride (PVC) discharge pipe through the 30-inch drainage pipe, 11 feet below the crown. No permit. FS Date: 8/28/2013					

Photo 2 of 3 : UCIP\_FA\_2019\_22108\_37738.jpg



PVC pipe at right inside stormdrain on LS toe.

LM Start	<b>4.92</b>	Rating **	M	Issue No.	<b>54 (cont)</b>
LM End	<b>4.92</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_FA\_2019\_22108\_37737.jpg



Evidence of discharge through PVC conduit on WS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	10/10/2019 10/10/2019	Alberto De Leon

LM Start	4.92	Rating **	M	Issue No.	55
LM End	4.92	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.696146 °	37.696146 °
				-121.194093 °	-121.194093 °
DWR ID	24066				
Comment Code					
Inspector Comment					
DS_ID:24066					
FS_ID:22109					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: No permit identified for this crossing.					
FIELD_STRUCT_DESC: 2 of 2: 4-inch polyvinyl chloride (PVC)					
discharge pipe through the 30-inch drainage pipe, 11 feet below the crown. No permit.					
FS Date: 8/28/2013					

LM Start	<b>4.92</b>	Rating **	M	Issue No.	<b>55 (cont)</b>
LM End	<b>4.92</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_FA\_2019\_22109\_37742.jpg



PVC conduit at left on LS toe.

Photo 2 of 3 : UCIP\_FA\_2019\_22109\_37741.jpg



PVC conduit at left on LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	10/10/2019 10/10/2019	Alberto De Leon

LM Start	4.92	Rating **	M	Issue No.	55 (cont)	
LM End	4.92	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			37.696146 °	37.696146 °	
				-121.194093 °	-121.194093 °	
DWR ID	24066					
Comment Code						
Inspector Comment						
DS_ID:24066						
FS_ID:22109						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: No permit identified for this crossing.						
FIELD_STRUCT_DESC: 2 of 2: 4-inch polyvinyl chloride (PVC)						
discharge pipe through the 30-inch drainage pipe, 11 feet below the						
crown. No permit.						
FS Date: 8/28/2013						

Photo 3 of 3 : UCIP\_FA\_2019\_22109\_37740.jpg



Evidence of discharge from PVC on WS toe.

LM Start	4.92	Rating **	A/W	Issue No.	56
LM End	4.92	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.696146 °	37.696146 °
				-121.194093 °	-121.194093 °
DWR ID	20553				
Comment Code					
Inspector Comment					
DS_ID:20553					
FS_ID:19143					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments:					
FIELD_STRUCT_DESC: 30-inch corrugated metal drainage pipe through the levee, 8 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Two corrugated metal cutoff walls. Grouted spillway on the WS. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 3, December 1968, (HLM 4.88)].					
FS Date: 8/28/2013					

Photo 1 of 3 : UCIP\_FA\_2019\_19143\_32122.jpg



Concrete headwall on LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>N : Not Inspected/Rated</b> C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	10/10/2019 10/10/2019	Alberto De Leon

LM Start	4.92	Rating **	A/W	Issue No.	56 (cont)	
LM End	4.92	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			37.696146 °		37.696146 °
				-121.194093 °		-121.194093 °
DWR ID	20553					
Comment Code						
Inspector Comment						
DS_ID:20553 FS_ID:19143 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 30-inch corrugated metal drainage pipe through the levee, 8 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Two corrugated metal cutoff walls. Grouted spillway on the WS. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 3, December 1968, (HLM 4.88)]. FS Date: 8/28/2013						

Photo 2 of 3 : UCIP\_FA\_2019\_19143\_32121.jpg



Concrete headwall on WS toe.

LM Start	<b>4.92</b>	Rating **	A/W	Issue No.	<b>56 (cont)</b>
LM End	<b>4.92</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_FA\_2019\_19143\_32120.jpg



Concrete headwall on LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	10/10/2019 10/10/2019	Alberto De Leon

LM Start	5.10	Rating **	A/W	Issue No.	57
LM End	5.10	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			37.697483 °	37.697483 °
				-121.191332 °	-121.191332 °
DWR ID	20554				
Comment Code					
Inspector Comment					
DS_ID:20554 FS_ID:22794 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 30-inch corrugated metal drainage pipe through the levee, 8 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Two corrugated metal cutoff walls. Grouted spillway on the WS. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 3, December 1968, (HLM 5.05)]. FS Date: 8/28/2013					

LM Start	<b>5.10</b>	Rating **	A/W	Issue No.	<b>57 (cont)</b>
LM End	<b>5.10</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_FA\_2019\_22794\_38851.jpg



Concrete U shaped headwall on WS toe.

Photo 2 of 3 : UCIP\_FA\_2019\_22794\_38850.jpg



Concrete headwall on LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>N : Not Inspected/Rated</b> C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	10/10/2019 10/10/2019	Alberto De Leon

LM Start	5.10	Rating **	A/W	Issue No.	57 (cont)	
LM End	5.10	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			37.697483 °	37.697483 °	
				-121.191332 °	-121.191332 °	
DWR ID	20554					
Comment Code						
Inspector Comment						
DS_ID:20554 FS_ID:22794 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 30-inch corrugated metal drainage pipe through the levee, 8 feet below the crown. Concrete U-shaped headwalls on both ends. Flap gate on the waterside (WS) end. Two corrugated metal cutoff walls. Grouted spillway on the WS. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 3, December 1968, (HLM 5.05)]. FS Date: 8/28/2013						

Photo 3 of 3 : UCIP\_FA\_2019\_22794\_38853.jpg



Concrete headwall on LS toe.

LM Start	5.46	Rating **	M	Issue No.	58	
LM End	5.46	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			37.699557 °	37.699557 °	
				-121.185385 °	-121.185385 °	
DWR ID	24067					
Comment Code						
Inspector Comment						
DS_ID:24067						
FS_ID:22795						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: No permit identified for this crossing. No photos available.						
FIELD_STRUCT_DESC: 10-inch steel irrigation pipe through the levee, 0.75 feet below the crown. Butterfly valve and vent on the landside (LS) shoulder. Vent on the waterside (WS) shoulder.						
FS Date: 8/28/2013						

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	10/10/2019 10/10/2019	Alberto De Leon

LM Start	5.54	Rating **	M	Issue No.	59	
LM End	5.54	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP Field Study			37.699848 °		37.699848 °
				-121.184135 °		-121.184135 °
DWR ID	20555					
Comment Code						
Inspector Comment						
DS_ID:20555 FS_ID:19145 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Appears abandoned and if so should be done so appropriately. FIELD_STRUCT_DESC: *ABANDONED* 30-inch corrugated metal irrigation pipe through the levee, 10 feet below the crown. Slide gate in a 36-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. Two corrugated metal cutoff walls. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 3, December 1968, (HLM 5.48)]. FS Date: 8/28/2013						

Photo 1 of 2 : UCIP\_FA\_2019\_19145\_32126.jpg



Slide gate in CMP riser on WS slope

LM Start	<b>5.54</b>	Rating **	M	Issue No.	<b>59 (cont)</b>
LM End	<b>5.54</b>	Issue Type +	En	Location *	

Photo 2 of 2 : UCIP\_FA\_2019\_19145\_32125.jpg



Pipe in CMP riser on WS slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2019**

**Reclamation District No. 2064 River Junction**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Stanislaus River	Right	6.08	10/10/2019 10/10/2019	Alberto De Leon

LM Start	5.74	Rating **	M	Issue No.	60
LM End	5.74	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			37.702220 °	37.702220 °
				-121.182210 °	-121.182210 °
DWR ID	20556				
Comment Code					
Inspector Comment					
DS_ID:20556					
FS_ID:19146					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Slide gate missing and CMP riser filled with soil.					
Appears abandoned and should be done so properly.					
FIELD_STRUCT_DESC: 20-inch corrugated metal irrigation pipe					
through the levee, 13 feet below the crown. Slide gate in a corrugated					
metal pipe (CMP) riser on the waterside (WS) slope. Two corrugated					
metal cutoff walls. Underground irrigation system. [Additional					
Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M					
Manual 3, December 1968, (HLM 5.69)].					
FS Date: 8/28/2013					

Photo 1 of 1 : UCIP\_FA\_2019\_19146\_32127.jpg



CMP riser for slide gate filled with soil.

LM Start	5.89	Rating **	M	Issue No.	43
LM End	5.89	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.704049 °	37.704049 °
				-121.181041 °	-121.181041 °
DWR ID	DWR_RD2064_02_f _ 2019_43				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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